

**01411110 GREAT EGG HARBOR RIVER AT WEYMOUTH, NJ**

GREAT EGG HARBOR RIVER BASIN

LOCATION.--Lat 39°30'50", long 74°46'47" referenced to North American Datum of 1983, Hamilton Township, Atlantic County, NJ, Hydrologic Unit 02040302, at bridge on U.S. Route 322 at Weymouth, 0.5 mi upstream from Deep Run, and 20.9 mi upstream from mouth.

DRAINAGE AREA.--154 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 1978-81, 1985 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Dec 4, 2007	130
Feb 27, 2008	200
May 27, 2008	158
Aug 25, 2008	75.7

## 01411110 GREAT EGG HARBOR RIVER AT WEYMOUTH, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

REMARKS.--Cooperative Network Site Descriptor: Watershed Integrator, NJ Department of Environmental Protection Watershed Management Area 15.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC $\mu$ S/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)
Dec 04...	1010	130	2.2	.191	.150	751	11.2	90	5.8	81	.0	6.0	14
Feb 27...	1120	200	1.5	.317	.242	747	11.0	90	4.9	111	6.5	6.8	14
May 27...	1200	158	3.2	.473	.372	757	8.2	87	5.7	69	24.0	18.2	11
Aug 25...	1100	76	2.3	.121	.095	756	8.7	96	6.1	65	29.0	19.8	10

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Dec 04...	2.82	1.59	1.67	7.84	2.0	13.0	<.12	7.9	8.35	E47	63	2	.26
Feb 27...	2.90	1.54	1.19	12.4	<1.7	21.0	<.12	6.1	8.76	--	75	4	.27
May 27...	2.20	1.26	1.10	6.52	2.3	11.5	<.12	5.7	4.64	E37	52	3	.36
Aug 25...	2.13	1.24	1.32	6.10	E6	10.0	<.12	6.5	5.20	E39	38	3	.20

## 01411110 GREAT EGG HARBOR RIVER AT WEYMOUTH, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
<b>Dec</b> <b>04...</b>	.105	.55	.05	.81	.86	E.006	E.005	.013	.6	<.04	.6	4.6	49
<b>Feb</b> <b>27...</b>	.056	.57	.05	.83	.88	E.005	E.007	.012	.4	<.04	.4	6.8	28
<b>May</b> <b>27...</b>	.064	.50	.13	.87	.99	E.006	.011	.028	1.5	<.04	1.5	8.4	35
<b>Aug</b> <b>25...</b>	.027	.59	E.03	.79	E.82	E.007	E.008	.013	.4	<.04	.4	2.5	47